

ABSTRACT

A filter assembly for collecting lint in use with a dryer having an interior compartment. The filter assembly includes a control unit, an input air pathway in communication with the interior compartment, an exhaust, and a micro-filter. The input air pathway carries air and lint from the interior compartment through the micro-filter into the exhaust. The filter assembly includes a first and second air flow sensor in the interior compartment for determining the change of air flow between the input air pathway and exhaust. The control unit is in communication with the first and second air flow sensors and an alarm. The control unit triggers the alarm when the air flow sensors detect a restricted pattern of air flow, thereby signaling a build-up of lint in the filter.